

CLAIM AMENDMENTS

1. (Currently Amended)

A linear rolling bearing for transmitting torques about its longitudinal axis, ~~having~~
comprising:

an inner profile element; ~~{2}~~ and

an outer profile element ~~{1}~~ which surrounds the inner profile element ~~{2}~~ at
least partially;

~~the inner profile element and the outer profile element the two profile~~
~~elements {1, 2} being mounted via rolling bodies {3} such that the inner profile~~
~~element and the outer profile element they can be displaced are displaceable~~ with
respect to one another in the longitudinal direction; ~~which~~

~~the~~ rolling bodies ~~{3}~~ circulate endlessly in at least one first circulatory
channel ~~{5}~~ and in at least one second circulatory channel; ~~{6}, the circulatory~~
~~channel {5, 6}~~

each of the first and second circulatory channels having a loadbearing channel
~~{7, 10}~~ which is parallel to the longitudinal axis, a return channel ~~{8, 11}~~ which is
parallel to the longitudinal axis, and two deflection channels ~~{9, 12}~~ which connect
the loadbearing channel ~~{7, 10}~~ and the return channel ~~{8, 11}~~ to one another in an
endless manner; ~~and~~

the rolling bodies ~~{3}~~ which are arranged in the loadbearing channel ~~{7}~~ of the
first circulatory channel ~~{5}~~ being provided for transmitting a torque between the
inner profile element and the outer profile element in a clockwise direction; ~~the two~~
~~profile elements {1, 2}, and~~

the rolling bodies ~~{3}~~ which are arranged in the loadbearing channel ~~{10}~~ of
the second circulatory channel ~~{6}~~ being provided to transmit a torque between the

inner profile element and the outer profile element in a counter clockwise the opposite direction, between the two profile elements (1, 2), characterized in that

wherein

the first circulatory channel (5) and the second circulatory channel (6) can be connected to one another for jointly transmitting torques in the same direction when either, the return channel (8, 11) of the second circulatory channel becomes (5, 6) which can be respectively connected being used as a loadbearing channel and the loadbearing channel (7, 10) of the second circulatory channel becomes (5, 6) which can be respectively connected being used as a return channel or the return channel of the first circulatory channel becomes a loadbearing channel and the loadbearing channel of the first circulatory channel becomes a return channel.

2. (Currently Amended)

The linear rolling bearing as claimed in ~~the features of the precharacterizing clause of claim 1, wherein in which substantially~~ only the loadbearing channel (7, 10) of the first or second circulatory channel transmit torque (5, 6) ~~is provided below a critical torque for transmitting the torque, and~~ the return channel (8, 11) of the respective

other circulatory channel ~~{5, 6}~~ being provided additionally above the critical torque acts as a loadbearing channel for transmitting ~~this torque~~ above the critical torque, and the loadbearing channel ~~{7, 10}~~ of said other circulatory channel ~~{5, 6}~~ being ~~provided~~ acts as a return channel.

3. (Currently Amended)

The linear rolling bearing as claimed in claim 1, ~~in which~~ wherein,

a rotational angle of the inner profile element and the outer profile element ~~the two profile elements {1, 2}~~ with respect to one another about the longitudinal axis is a function of the prevailing torque, a critical rotational angle being exceeded above a ~~the~~ critical torque, at which the critical rotational angle, the return channel ~~{8, 11}~~ is used as a loadbearing channel and the loadbearing channel ~~{7, 10}~~ is used as a return channel in each of the first and second circulatory channel ~~the circulatory channel {5, 6} which is connected.~~

4. (Currently Amended)

The linear rolling bearing as claimed in claim 1, ~~in which~~ wherein,

the loadbearing channel ~~{7, 10}~~ and the return channel ~~{8, 11}~~ are delimited in each case by an outer raceway ~~{17, 18, 21, 22}~~ for the rolling bodies {3}, ~~which~~ the outer raceway ~~{17, 18, 21, 22}~~ is assigned to the outer profile element {1}, and

by an inner raceway ~~(33, 34)~~ for the rolling bodies ~~(3)~~, ~~which~~ the inner raceway ~~(33, 34)~~ is assigned to the inner profile element ~~(2)~~.

5. (Currently Amended)

The linear rolling bearing as claimed in claim 1, wherein each of the two ~~in which the~~ deflection channels are ~~channel (9, 12)~~ is delimited by an outer deflection track ~~(29, 30)~~ which is assigned to the outer profile element ~~(1)~~ and by an inner deflection track ~~(35)~~ which is assigned to the inner profile element ~~(2)~~.

6. (Currently Amended)

The linear rolling bearing as claimed in claim 4, wherein ~~in which~~ the rolling bodies ~~(3)~~ are arranged in the return channel ~~(8, 11)~~ with play S with respect to the raceways ~~(17, 21, 33, 34)~~ which delimit the return channel ~~(8, 11)~~.

7. (Currently Amended)

The linear rolling bearing as claimed in claim 4, wherein ~~in which~~ the rolling bodies ~~(3)~~ are arranged without play in the loadbearing channel ~~(7, 10)~~, in roller contact with ~~the~~ raceways ~~(18, 22, 33, 34)~~ which delimit the loadbearing channel ~~(7, 10)~~.

8. (Currently Amended)

The linear rolling bearing as claimed in claim 6, wherein ~~in which~~ the play S ~~play~~ of the rolling bodies in the return channel ~~(8, 11)~~ of each of said first and second circulatory channel ~~the circulatory channel (5, 6) which can be connected~~ is reduced during a rotation of the two profile elements ~~(1, 2)~~ with respect to one another.

9. (Currently Amended)

The linear rolling bearing as claimed in claim 7, wherein ~~in which~~ the play of the rolling bodies ~~(3)~~, with respect to the raceways ~~(33, 34, 18, 22)~~, in the loadbearing channel ~~(7, 10)~~ of ~~the circulatory channel (5, 6) which can be connected~~ increases during a rotation of the inner profile element and the outer profile element ~~the two profile elements (1, 2)~~ with respect to one another.

10. (Currently Amended)

The linear rolling bearing as claimed in claim 1, wherein ~~in which~~ the outer profile element is ~~(1) has~~ a hollow body, ~~(13)~~ and the inner profile element is ~~(2) has~~ a shaft ~~(31)~~, and a plurality of segments ~~(15, 16)~~ which are distributed over the shaft, each segment delimiting one of each of the first and second circulatory channel and

~~the segments circumference and delimit the circulatory channels (4, 5) together with the shaft (31) being provided between the hollow body (13) and the shaft (31).~~

11. (Currently Amended)

The linear rolling bearing as claimed in claim 10, wherein each of the segments are ~~in which every segment (15, 16)~~ is provided with the two outer raceways (17, 18) which are arranged parallel to one another, and with two deflection tracks (29, 30) which connect said outer raceways (17, 18) to one another.

12. (Currently Amended)

The linear rolling bearing as claimed in claim 10, wherein each of the segments in ~~which the segment (15, 16)~~ is supported on the hollow body (13) in order to transmit a torque.

13. (Currently Amended)

The linear rolling bearing as claimed in claim 11, wherein ~~in which~~ the outer raceway comprises (17, 18) ~~is configured as a ball groove (19, 20, 23, 24) on that side of the segment (15, 16) which faces the shaft (31), and~~ a convex shaped-out molding (26,

~~27) of the segment (15, 16) being formed on its side which faces the hollow body (13).~~

14. (Currently Amended)

The linear rolling bearing as claimed in claim 13, wherein ~~in which~~ the shaped-out molding ~~(26, 27) of the segment (15, 16)~~ bears against a rest of the hollow body ~~(13)~~ in order to transmit a torque.

15. (Currently Amended)

The linear rolling bearing as claimed in claim 14, wherein ~~in which~~ the hollow body has ~~(13) is provided with~~ a plurality of shaped recesses each of ~~(28)~~ which are distributed over the circumference, project radially inwardly and form the rest. ~~rests for the segments (15, 16) in order to transmit a torque.~~

16. (Currently Amended)

The linear rolling bearing as claimed in claim 10, wherein ~~in which~~ the shaft ~~(31)~~ has a plurality of longitudinal teeth ~~(32)~~ which are distributed over the circumference, are arranged parallel to the longitudinal axis and on which the raceways ~~(33, 34)~~ are formed on the teeth.

17. (Currently Amended)

The linear rolling bearing as claimed in claim 16, wherein ~~in which~~ the teeth (32) which are adjacent to one another delimit ~~in each case~~ a convexly curved circumferential section (35) of the shaft (31) ~~between them~~.

18. (Currently Amended)

The linear rolling bearing as claimed in claim 17, wherein ~~in which~~ the circumferential section (35) delimits each of the deflection channels channel (5, 6), ~~as deflection track for each of the first and second circulatory channel, the rolling bodies (3)~~.

19. (Currently Amended)

The linear rolling bearing as claimed in claim 10, wherein ~~in which~~ the hollow body is (13) ~~can be deformed~~ resiliently deformable.